Topic 3: Place Value: Multi-Digit Whole Numbers with Decimals Test Review

1. What is the missing value in the equation?

56.32 = 5 tens + ☐ tenths + 2 hundredths _____ tenths

2. A value is shown in standard decimal form.

342.65

Select all the representations equivalent to the value shown.

Ⓐ 34 tens + 265 hundredths

Ⓑ 342 ones + 65 tenths

Ⓒ 342 ones + 65 hundredths

Ⓓ 34 hundreds + 265 tenths

Ⓔ 342 tens + 6 ones + 5 hundredths

3. Complete the equation to write an equivalent value:

712.34 = _____ tens + _____ hundredths

4. A number is shown in standard decimal form.

8.54

Select the option in each box that makes the statement correct:

8.54 is equivalent to	**8.54 is equivalent to**
Ⓐ 85 tenths + 4 hundredths	Ⓒ 8 ones + 54 hundredths
Ⓑ 85 ones + 4 hundredths	Ⓓ 8 tenths + 54 hundredths

5. Select all the expressions that show 605.47 in expanded form:

Ⓐ (6 × 100) + (0 × 10) + (5 × 1) + (4 × 1/10) + (7 × 1/100)

Ⓑ (6 × 100) + (5 × 1) + (47 × 1/100)

Ⓒ (60 × 10) + (5 × 1) + (47 × 1/100)

Ⓓ (600 × 1) + (5 × 1) + (47 × 1/100)

Ⓔ (6 × 100) + (5 × 1) + (4 × 1/10) + (7 × 1/100)

6. A value is shown.

35 hundreds + 26 tenths

Select the standard decimal form equivalent to the value shown.

Ⓐ 35.026 Ⓑ 350.26 Ⓒ 3502.6 Ⓓ 3500.26

7. Which is another way to write 12.548? Select all that apply.

Ⓐ twelve and five hundred forty-eight thousandths

Ⓑ (1 × 10) + (25 × 1/100) + (4 × 1/10)

Ⓒ twelve and fifty-four hundred eight-thousandths

Ⓓ (1 × 10) + (2 × 1) + (5 × 1/10) + (4 × 1/100) + (8 × 1/1000)

Ⓔ twelve and five hundred forty-eight thousandths

Ⓕ (1 × 10) + (2 × 1) + (5 × 1/10) + (4 × 1/100) + (8 × 1/1000)

8. A value is shown in expanded form.

(64 × 10) + (83 × 1/10)

Select the standard decimal form equivalent to the value shown.

Ⓐ 64.83 Ⓑ 648.3 Ⓒ 6,483 Ⓓ 6,400.83

9. Select all that show another way to express the number 790.354.

Ⓐ 7 hundreds + 90 ones + 35 tenths + 4 hundredths

Ⓑ 79 ten-thousands + 0 hundredths + 354 thousandths

Ⓒ 790 ones + 354 thousandths

Ⓓ 7 tens + 9 tenths + 354 thousandths

Ⓔ 7 hundreds + 9 tens + 0 ones + 3 tenths + 5 hundredths + 4 thousandths

Ⓕ 79 tens + 35 hundredths + 4 ones

10. A statement with an error is shown:

81 tens + 34 hundredths + 5 thousandths is equal to 813.405

What change would make the statement true?

Ⓐ Change 81 tens to 81 hundreds

Ⓑ Change 34 hundredths to 34 tenths

Ⓒ Change 5 thousandths to 50 hundredths

Ⓓ Change 5 thousandths to 405 thousandths